

12
87

PATENT SPECIFICATION

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COMPLETE SPECIFICATION.

An arrangement for Filling Cartridges into the Magazines of Automatic Firearms.

We, CESKA ZBROJOVKA, národní podnik, of Strakonice, Czechoslovakia, a Czechoslovak Corporation, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The present invention relates to an arrangement for filling magazines of automatic firearms with cartridges.

There are known firearms with a cartridge magazine forming an integral part of the weapon, and it has been suggested to employ special cartridge clips for the filling of the magazine, the arrangement being such that it was necessary for the person using the firearm to force with the thumb the cartridges into the magazine against the action of the feeding spring. This is naturally a fatiguing manipulation, and a further disadvantage is to be seen in that only one magazine can be filled at a time.

In order to facilitate the filling operation, it has been suggested to connect the magazine to the firearm by means of hinges, to turn it through a certain angle into a charging position and to compress the feeder spring by this turning movement. However, this arrangement requires special packets of cartridges adapted to be inserted into the magazine, and also with this construction only one magazine can be filled.

The arrangement according to the present invention is characterised in that an auxiliary device is fixed on the firearm adapted to hold a cartridge clip, and that the cartridge magazine is detachably connected to the firearm so that it can be brought to a position in front of said auxiliary device, the filling operation being performed by urging the magazine over the cartridges.

As the magazine can be detached from the firearm, two or more magazines may be provided for each firearm and their filling can be carried out in firing intervals so that a number of filled magazines is available when it is necessary to keep up an incessant

fire. Moreover, the filling operation can be easily performed and does not cause fatigue, as the magazine is gripped with the whole hand and rests in the palm of the hand when pushed over the cartridges.

In order that the invention may be clearly understood and readily carried into practice, one embodiment thereof will now be described with reference to the accompanying drawings, wherein Fig. 1 indicates the outline of part of a firearm and shows the new filling arrangement in a longitudinal section, Fig. 2 is a plan view, partly in section and Fig. 3 illustrates a cross section along the line I-I of Fig. 1.

As can be seen from the drawings, a guide-way 2 is fixed to the casing 8 or the stock 3 of the firearm. The guide-way 2 is formed by an elongated metal strip, the edges of which being bent upwards so that it is suited to receive and to guide a cartridge clip 1 holding cartridges 6. At one end the guide-way 2 is provided with a stop member in the form of a bridge 7 (see Fig. 3), through which the clip 1 may pass, but which prevents the cartridges from following the movement of the clip. The cartridge magazine 4, which can be detached from its operational position, abuts with its lower part 5 against the front face of the cartridge clip 1 when it is brought into line with the clip at its free end.

This arrangement allows the magazine 4 to be filled with cartridges in the following manner:—

The cartridge clip 1, holding a number of cartridges 6, is brought into a position in front of the bridge 7 of the guide-way 2. The firearm is held with one hand, whilst with the other hand the magazine is placed into the filling position and then moved over the cartridges. By doing so, the clip is pushed away through the bridge 7, and because the cartridges are held by the bridge, they cannot follow the movement of the clip so that they are pressed home into the magazine 4. This operation may be repeated as many

times as is necessary to fill the magazine 4.

What we claim is:—

1. An arrangement for filling magazines of automatic firearms with cartridges, characterised in that an auxiliary device is fixed on the firearm adapted to hold a cartridge clip, and that the cartridge magazine is detachably connected to the firearm so that it can be brought to a position in front of said auxiliary device, the filling operation being performed by urging the magazine over the cartridges.

2. An arrangement according to Claim 1, characterised in that said auxiliary device is formed by a metal strip having its edges bent upwards, thus forming a guide-way

into which the filled cartridge clip can be inserted, that one end of the guide-way is provided with a stop member allowing the clip to pass, but retaining the cartridges, so that, when the magazine is urged over the cartridges, it engages the clip and pushes it out of the said guide-way.

3. An arrangement for filling of magazines of automatic firearms substantially as described with reference to the accompanying drawings.

Dated the 3rd day of November, 1948.

For the Applicants:

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This Drawing is a reproduction of the Original on a reduced scale

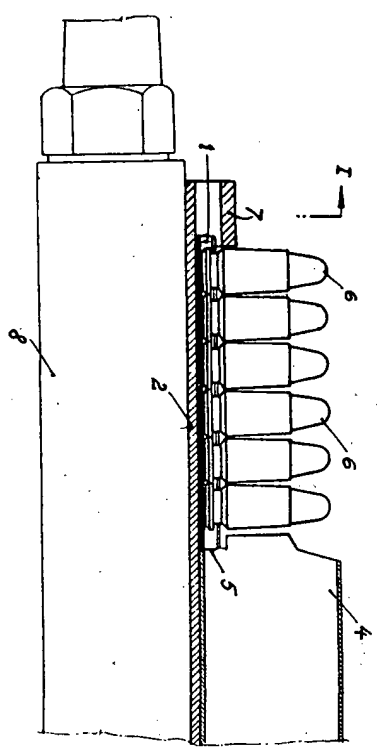


FIG. 1.

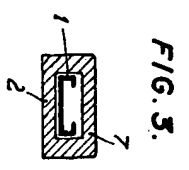


FIG. 5.

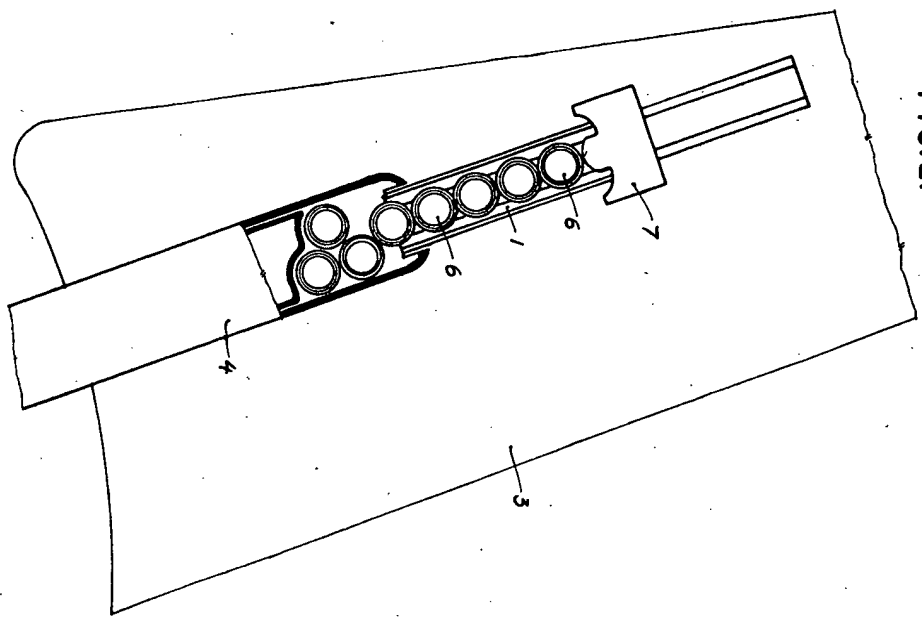


FIG. 2.

42
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